

SAFETY DATA SHEET



90 A / B / C

Classified as *Hazardous* according to criteria of GHS

P.O. Box 388
Lonsdale SA 5160
ABN 48 142 721 533

Phone (08) 8326 6170
Fax (08) 8326 9371

1. Product and Company Information

PRODUCT NAME:	Liquid Sodium Hydroxide	PRODUCT NUMBER:	90 A B or C
OTHER NAMES:	n/a	RECOMMENDED USE:	Neutralising Agent
COMPANY NAME:	Chemology Pty. Ltd.	ADDRESS:	4 Walla Street, Lonsdale SA 5160
CONTACT:	Phone (08) 8326 6170 Fax (08) 8326 9371 In case of emergency: 0459 027 548		

2. Hazards Identification

Classified as hazardous according to criteria of GHS. HAZARDOUS SUBSTANCE. DANGEROUS GOOD.

RISK ADVICE TO HUMANS AND THE ENVIRONMENT: Causes severe burns.



3. Composition / Information on Ingredients

INGREDIENT NAME	CAS-NO.	PROPORTION
Sodium hydroxide	1310-73-2	<=60%
Other ingredients determined not to be hazardous		To 100%

4. First Aid Measures

AFTER INGESTION:	Wash out mouth with water provided person is conscious. Give water to drink. Do not induce vomiting. Seek immediate medical assistance.
AFTER EYE CONTACT:	Immediately irrigate with copious quantity of lukewarm water for at least 15 minutes. Eyelids to be held open. Seek immediate medical assistance.
AFTER SKIN CONTACT:	First rinse with plenty of water, then remove contaminated clothes, rinse again. If irritation occurs seek medical advice.
AFTER INHALATION:	Remove victim to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen. Seek medical advice.

5. Fire Fighting Measures

SUITABLE EXTINGUISHING MEDIA:	Not combustible. Use extinguishing media appropriate to surrounding fire conditions.
HAZARDS FROM COMBUSTION PRODUCTS:	Emits toxic fumes under fire conditions. Will produce flammable hydrogen gas in contact with metallic aluminium and zinc.
PRECAUTIONS FOR FIRE FIGHTERS AND SPECIAL PROTECTIVE EQUIPMENT:	Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.
HAZCHEM CODE:	2R

6. Accidental Release Measures

EMERGENCY PROCEDURES:	Evacuate area.
PERSONAL PROTECTION:	Wear self-contained breathing apparatus, rubber boots, and heavy rubber gloves.
CONTAINMENT AND CLEAN-UP:	Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided. Soak up with inert absorbent material (e.g. sand, earth, diatomaceous earth, vermiculite) and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.

7. Handling and Storage/Chemical Safety Usage

PRECAUTIONS FOR SAFE HANDLING:	Ensure an eye bath and safety shower are available and ready for use. Observe good personal hygiene practices and recommended procedures. Wash thoroughly after handling. Avoid contact with eyes, skin and clothing. Do not inhale produce vapours. Avoid prolonged or repeated exposure.
CONDITIONS OF SAFE STORAGE:	Keep containers tightly closed. Store away from acids.
SPECIAL REQUIREMENTS:	none

8. Exposure Controls / Personal Protection

NATIONAL EXPOSURE STANDARDS:	TWA 2 mg/m ³ (sodium hydroxide)
ENGINEERING CONTROLS:	Use only in a well ventilated area. Have safety shower and eye bath available.

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PERSONAL PROTECTION EQUIPMENT: Handle product with chemical-resistant gloves, chemical safety goggles or face-shield.

9. Physical and Chemical Properties

APPEARANCE:	Clear	FLASH POINT:	not combustible
ODOUR:	none	FLAMMABILITY LIMITS:	not flammable
pH:	> 14	VAPOUR PRESSURE:	n/a
FREEZING POINT:	n/a	SG / DENSITY:	> 1
BOILING POINT/RANGE:	> 100°C	SOLUBILITY:	completely soluble in water

10. Stability and Reactivity

CHEMICAL STABILITY:	stable	HAZARDOUS DECOMPOSITION PRODUCTS:	sodium oxide
CONDITIONS TO AVOID:	none	HAZARDOUS REACTIONS:	Strong Acid
INCOMPATIBLE MATERIALS:	acids, aluminium metal, zinc metal		

11. Toxicological Information

ACUTE AND CHRONIC HEALTH EFFECTS:	Material is extremely destructive to tissue of the mucous membranes and upper respiratory tract, eyes, and skin. Inhalation may result in spasm, inflammation and oedema of the larynx and bronchi, chemical pneumonitis, and pulmonary oedema. Victim may experience burning sensation, coughing, wheezing, laryngitis, shortness of breath, headache and nausea.
ROUTES OF EXPOSURE:	<i>Skin Contact:</i> Causes burns. <i>Skin Absorption:</i> May be harmful if absorbed through the skin. <i>Eye Contact:</i> Causes burns. <i>Inhalation:</i> Harmful if inhaled. Material is extremely destructive to the tissue of the mucous membranes and upper respiratory tract. <i>Ingestion:</i> Causes burns. <i>Target Organ:</i> no data available.
TOXICITY:	no data available

12. Ecological Information

ECOTOXICITY:	no data available	MOBILITY:	no data available
PERSISTENCE/DEGRADABILITY:	no data available		

13. Disposal Considerations

Contact a licensed professional waste disposal service to dispose of this material. Observe all federal, state, and local environmental regulations.

14. Transport Information

UN-NUMBER:	1824	PACKAGING GROUP:	II
PROPER SHIPPING NAME:	Sodium hydroxide solution	HAZCHEM CODE:	2R
CLASS AND SUBSIDIARY RISK:	8		

15. General Information – No data available

POISONS SCHEDULE NUMBER:	none allocated
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16. Other Information

The health and safety hazard information in this Material Data Safety Sheet is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. Handling, storage, use and disposal of the product are beyond our control. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss or damage arising out of, or in any way connected with the handling, storage, use or disposal of the product. The customer assumes all liability arising from the use of the product for any application and for the suitability for the intended use. This MSDS is to be used only for this product. Contact the supplier for further information about the product.

DATE UPDATED: 1 OCTOBER 2016